

**CERTIFICATE UNDER 37 C.F.R. § 3.73(b), CERTIFICATE PURSUANT
TO 37 C.F.R. § 3.71 AND MPEP § 106, and POWER OF ATTORNEY**

Applicants: Andy C. Neilson, Michael R. Sweeney, James D. Orrell III,
Michael W. Oster, John M. Hopkins, and Marc Sampson

Serial No.: _____

Filed: _____

Title: Apparatus and Methods for Infrared Calorimetric Measurements

FLIR SYSTEMS BOSTON, INC., a Delaware Corporation, certifies, under 37 C.F.R. § 3.73(b), that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of assignments from each of the inventors named in the patent application identified above and their successors in interest. Copies of assignments or other documents in the chain of title are submitted herewith.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and certifies that to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The above-identified assignee of record, pursuant to 37 C.F.R. § 3.71 and MPEP 106, hereby excludes all inventors and previous assignee(s), if any, from access to the above-identified patent application, and reserves its right to conduct the prosecution of the above-identified patent application to the exclusion of the named inventors and previous assignee(s).

FLIR SYSTEMS BOSTON, INC. hereby appoints the following attorneys to prosecute the above-identified application and to transact all business in the Patent and Trademark Office connected therewith:

J. Pierre Kolisch, Reg. No. 15,802; Jon M. Dickinson, Reg. No. 22,820; John M. McCormack, Reg. No. 26,948; Peter E. Heuser, Reg. No. 27,902; David P. Cooper, Reg. No. 33,372; David A. Fanning, Reg. No. 33,233; Walter W. Karnstein, Reg. No. 35,565; Pierre C. Van Rysselberghe, Reg. No. 33,557; Charles H. DeVoe, Reg. No. 37,305; Stephen F. Gass, Reg. No. 38,462; David S. D'Ascenzo, Reg. No. 39,952; Owen W. Dukelow, Reg. No. 41,002; James R. Abney, Reg. No. 42,253; Mark D. Alleman, Reg. No. 42,257; J. David Fulmer, Reg. No. 42,561; M. Matthews Hall, Reg. No. 43,653; and Christopher S. Tuttle, Reg. No. 41,357.

DIRECT COMMUNICATIONS TO:

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E-Mail: abney@khdmh.com

The undersigned (whose title is supplied below) is authorized to sign this certificate on behalf of the above-identified assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FLIR SYSTEMS BOSTON, INC.

Date: 12/28/00

Signature: 

Name: Jay Teich

Title: V P

ASSIGNMENT

WHEREAS, we, Andy C. Neilson of Groton, county of Middlesex, state of Massachusetts, Michael R. Sweeney, of Stoneham, county of Middlesex, state of Massachusetts, James D. Orrell III, of Bothell, county of Snohomish, state of Washington, Michael W. Oster, of Seattle, county of King, state of Washington, John M. Hopkins, of Shoreline, county of King, state of Washington, and Marc Samson, of Quebec, Canada, have invented certain improvements in APPARATUS AND METHODS FOR INFRARED CALORIMETRIC MEASUREMENTS, for which we have executed a patent application of the United States on the date hereinafter set forth; and

WHEREAS, FLIR Systems Boston, Inc., a Delaware corporation, having its principal place of business in North Billerica, county of Middlesex, state of Massachusetts, is desirous of acquiring an interest therein;


NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which hereby are acknowledged, we, Andy C. Neilson, Michael R. Sweeney, James D. Orrell III, Michael W. Oster, John M. Hopkins, and Marc Samson have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto FLIR Systems Boston, Inc., the full and exclusive right to the invention in the United States and its territorial possessions and in all foreign countries, and the entire right, title, and interest in and to any and all Letters Patent that may be granted therefor in the United States and its territorial possessions, in any and all foreign countries, and in and to any and all divisions, continuations, reissues, substitutions, and extensions thereof.

We hereby authorize and request the Patent Office officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to FLIR Systems Boston, Inc., as the assignee of our entire right, title, and interest in and to the same, for the sole use of FLIR Systems Boston, Inc., and its successors and assigns.

Further, we agree that we will communicate to FLIR Systems Boston, Inc., or its representatives, any facts known to us respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reissue, substitution, and extension applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to FLIR Systems Boston, Inc., make all rightful oaths, and generally do everything possible to aid FLIR Systems Boston, Inc., and its successors and assigns, to obtain and enforce proper protection for the invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28th day of

DECEMBER, 2000.


ANDY C. NEILSON

Witness:

Signature: Pamela S. Michaud


Name: Pamela S. Michaud

Address: 16 Esquire Road

City, State: N. Billerica, MA 01862

IN TESTIMONY WHEREOF, I have hereunto set my hand this 28th day of

December, 2000.


MICHAEL R. SWEENEY

Witness:

Signature: Pamela S. Michaud


Name: Pamela S. Michaud

Address: 16 Esquire Road

City, State: N. Billerica, MA 01862

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2nd day of

January, 2001.


JAMES D. ORRELL III

Witness:

Signature: John M Hopkins

Name: JOHN M HOPKINS

Address: 1025 NW 175th STREET

City, State: SHORELINE, WA 98177

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2nd day of

January, 2001.

Michael W. Oster
MICHAEL W. OSTER

Witness:

Signature: James D. Orrell

Name: James D Orrell

Address: 22324 45th Ave SE

City, State: Bothell WA 98021

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2nd day of

January, 2001.

John M Hopkins
JOHN M. HOPKINS

Witness:

Signature: James D. Orrell

Name: James D Orrell

Address: 22324 45th SE

City, State: Bothell WA 98021

IN TESTIMONY WHEREOF, I have hereunto set my hand this 29 day of
December, 2000.



MARC SAMSON

Witness:

Signature: Lise Gosselin

Name: LISE GOSSELIN

Address: 3830 BOUL. LE CARREFOUR, #69

City, State: LAVAL, QC, CANADA

DECLARATION FOR PATENT APPLICATIONEnglish Language Declaration

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**APPARATUS AND METHODS FOR
INFRARED CALORIMETRIC MEASUREMENTS**

the specification of which: (check one)

 X is attached hereto.
 was filed on _____ as Application Serial No. _____
 and was amended on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional applications listed below and under Title 35, United States Code, § 120 of any United States applications listed below. Insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States provisional applications and United States applications in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>60/249,931</u>	<u>November 17, 2000</u>	<u>Pending</u>
<u>60/256,852</u>	<u>December 19, 2000</u>	<u>Pending</u>
<u> </u>	<u>January 17, 2001</u>	<u>Pending</u>
(Application Serial No.)	(Filing Date)	(Status)

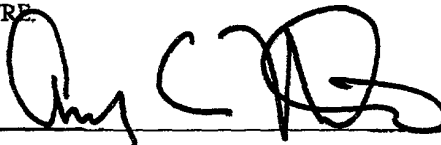
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of

first inventor: ANDY C. NEILSON

INVENTOR'S SIGNATURE

DATE:



1-31-01

Residence: 532 Chicopee Row, Groton, Massachusetts 01450
 Citizenship: United States of America
 Post Office Address: 532 Chicopee Row, Groton, Massachusetts 01450

* U.S. Patent Application Serial No. _____, filed January 17, 2001, of inventors Andy C. Neilson and Jay S. Teich, entitled APPARATUS AND METHODS FOR INFRARED CALORIMETRIC MEASUREMENTS

Full name of
second inventor: MICHAEL R. SWEENEY
INVENTOR'S SIGNATURE:

DATE:



12/28/00

Residence: 23 Whipple Avenue, Stoneham, Massachusetts 02180
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Post Office Address: 23 Whipple Avenue, Stoneham, Massachusetts 02180

Full name of
third inventor: JAMES D. ORRELL III
INVENTOR'S SIGNATURE:

DATE:



1/2/01

Residence: 22324 45th Avenue S.E., Bothell, Washington 98021
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Full name of
fourth inventor: MICHAEL W. OSTER
INVENTOR'S SIGNATURE:

DATE:

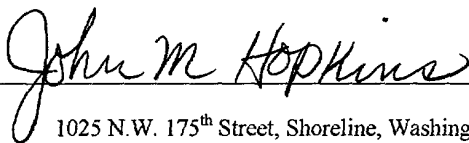


1/2/01

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Full name of
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INVENTOR'S SIGNATURE:

DATE:




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Full name of
sixth inventor: MARC SAMSON
INVENTOR'S SIGNATURE:

DATE:



12-29-00

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